

June 1990

Field notes PdA—

- \* visit BLTs + Morro do Diabo
- Long encounters between Poço Pequeno + Cucador
- Testing use of PBs for census with Caissara ♀♀ ~~Lucia~~ Lucia + Vanessa
- Following Aristedes group: How many LCs before encounter?
- First visit to União: PB but NR
- staff on strike - 1990 fire + ✓ #



Andrerê  
B day

29 June 90

Remember  
co-chair  
chrysopygus

Brazil trip

6/18/90

send Jo Cypres

McArthur

Ask for chrysomella

Fazenda União  
has 2500 ha  
forests.

Remember; ask  
Denise & Fernando  
for annual  
report.

need watches



June 18-24

Belo Horizonte  
at

Leontopithecus

Workshop.

includes PVA

analysis

meetings w. Ithama

dancing

also  
Diabo

0615

tomorrow

also T

< 20



June 24-

Fly B. H. →

Sao Paulo →

Teodoro Sampaio

→ drive to M. do Diabo

arr. @ 10:40 PM

25 June 90 up at 0615  
on the rd. dead tamarins

0840 contact w/

group 5 animals &

2 inf.

Passed 2 ocelots  
on tree — were < 20  
meters from them.



10<sup>00</sup> Cont. following  
group. Open forest  
heavy litter.

Rains: Jan - Feb

1045

One animal  
caught lizard -  
juvenile + SA →  
with lizard.

Bromeliads on ground w/  
spines. More open forest.

Vocs seem higher -  
pitched; perhaps  
faster than GLTs



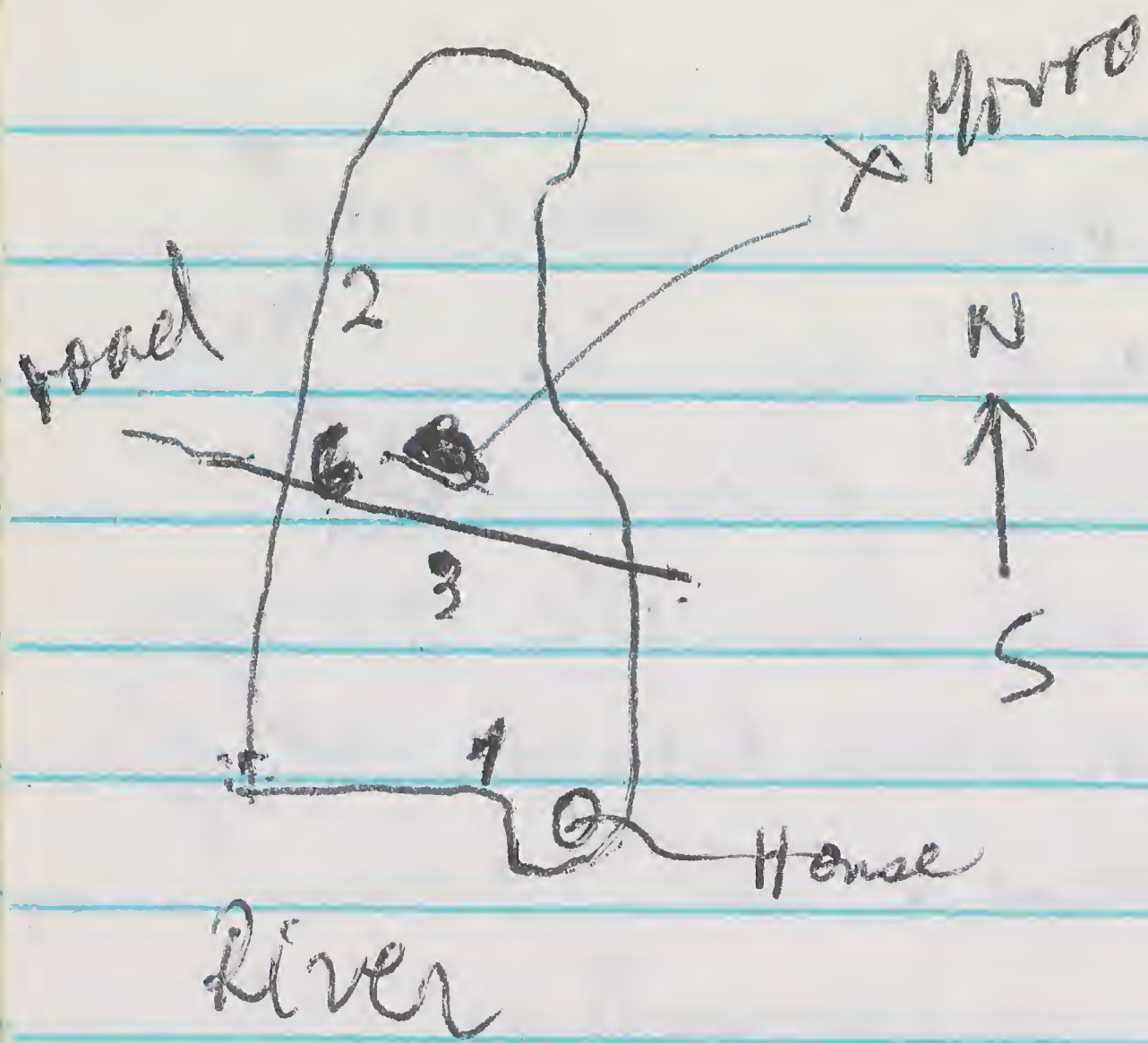
Call use is identical.  
I heard an SC KC  
& LCC from ~~the~~ animals in the group.  
Only a very brief set of  
clicks. LC when  
group is separated.

Temp. cool (~ mid 60s)  
Began to rain.

Field workers: Techniques  
of capture & following;  
baiting; Claudio  
following 4 groups in 4  
group close to River

different regions. Hasn't  
tattooed all animals





Took 4 groups ~~that~~  
<sup>that would</sup> cover a range of  
habitat types.

These groups interact  
with animals that are  
completely unknown.



6/26/90

- Raced up Morro  
Cloudy + difficult  
to see forest

~ 10<sup>30</sup>

Pr of toucans  
agents' tracks -  
~~apparently~~

11<sup>00</sup> hrs

*Alouatta fusca*  
two animals  
♀♀ red + ♂  
black

from top of Morro.



1140 Group of  
6 + Inf.  
*Alouatta fusca*  
in large open trees

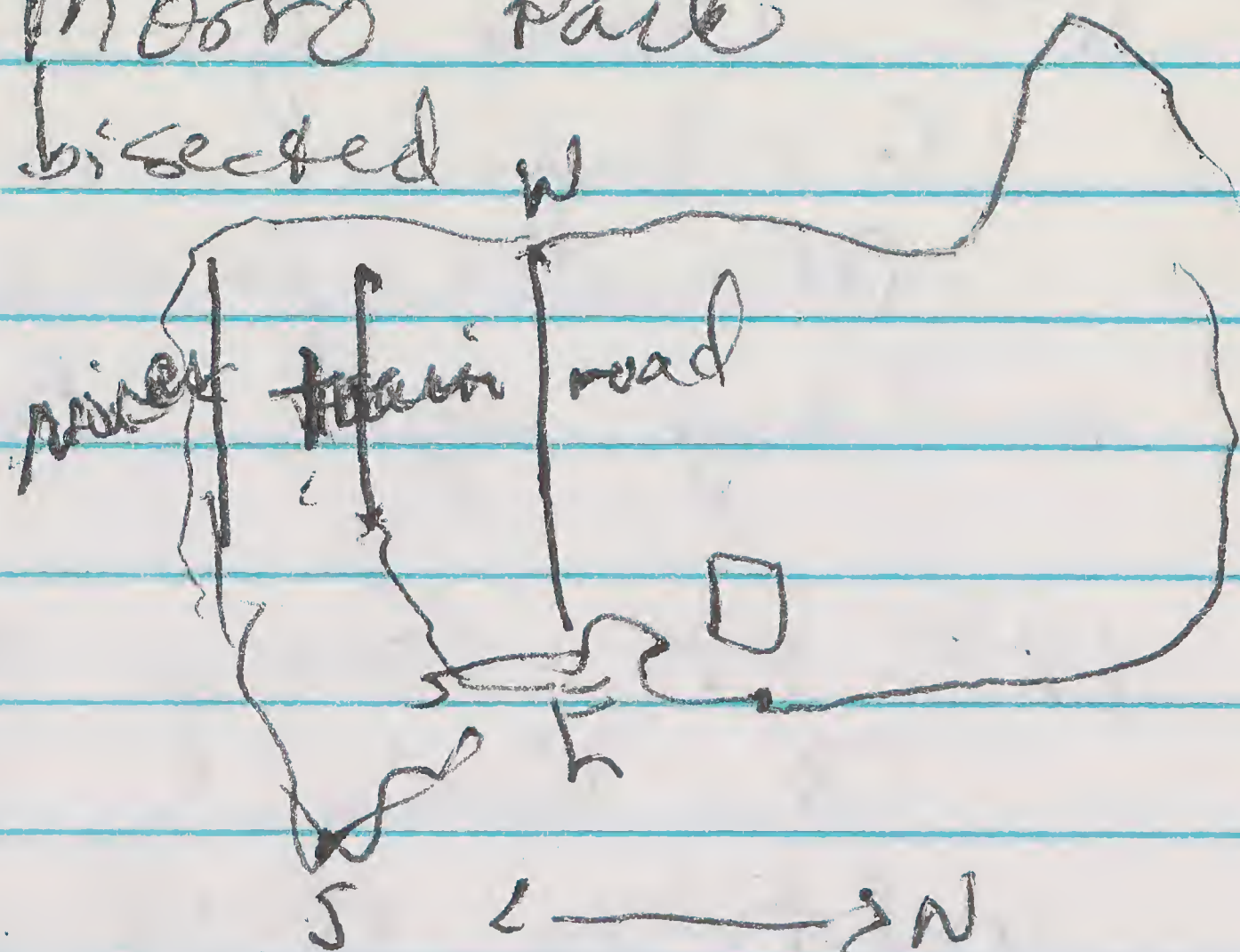
1220 P.M. Group of  
3 King  
vultures overhead  
" wrubu ~~by~~ rei"

Helder on radio  
program re: garbage  
Helder park director  
3 mos.

Garbage problem @  
7 mo. old - at  
former CESP airport.



Moore Park  
bisected w



children Andre  
Felipe  
Joanna

Walked Thru Suzana's  
ML Preto trail with  
Andre, Arnaldo, Sandra  
Jo Jeremy Edward  
Wheatley, Claudio &  
Suzana.

World Cup England > Belgium  
Jeremy +  
dinner at CESP club +  
lambada lessons  
11 yr olds on motor bike



6/27/90

0700 Bkfst  
discuss w/ Sandra +  
Claudio re:  
behav. study that she  
could do.

0900 out by boat to  
2nd study area.

By boat →  
River group  
Trip takes @ 40'

~ 0940 - Trail towards  
group

~ 1000 CP began



Playbacks of LC +  
LCC.  
beginning @ 100m  
from animals  
(estimated)

In field w/  
CP - Jo Gipp  
Ed. Wheatley  
Sandra  
Andre  
Tracher

Contact w / group  
1025 LC response  
@ 20 m from  
us  
1026 another LC.

1028 Visual contact.

1030 2LCC  
4A + 1J.

1031 2LCC

1032 2LCC

1034 4LCC  
group separated.

1040



March 1 - Sunday

March 2 - Monday

March 3 - Tuesday

March 4 - Wednesday

March 5 - Thursday

March 6 - Friday

March 7 - Saturday

March 8 - Sunday

March 9 - Monday

March 10 - Tuesday

March 11 - Wednesday

March 12 - Thursday

March 13 - Friday

March 14 - Saturday

March 15 - Sunday

March 16 - Monday

March 17 - Tuesday

March 18 - Wednesday

March 19 - Thursday

March 20 - Friday

March 21 - Saturday

March 22 - Sunday

March 23 - Monday

March 24 - Tuesday

March 25 - Wednesday

March 26 - Thursday

March 27 - Friday

March 28 - Saturday

March 29 - Sunday

March 30 - Monday

March 31 - Tuesday

March 32 - Wednesday

March 33 - Thursday

March 34 - Friday

March 35 - Saturday



1045 2 BLT

w/ frog -  
followed by 2nd  
animal.

I attempted F Sten.

1050 - Single animal  
drops frog. CP collect

1055 → fruit tree  
feeding on fruits.

1110 Animals moving  
slowly - w/ us

1115 Still moving  
northerly direction  
mm + feeding  
on insects



11<sup>25</sup> Still feeding on  
insects.

11<sup>35</sup> At fairly tall  
tree - CP says  
feeding on gums altho  
not chewing on  
bark

11<sup>55</sup> ~~At~~ - Animals  
Very high up in a  
tree w/ few leaves,  
Prob. resting.



1200 - Group huddling on  
large horiz. branch, AP

1204 PM CP did  
soft PB of LC  
then LCC

~~#~~ 2 SC  
1 LCC

very rapid response.

1 ♀ moves immediately  
up tree

1206 Grp breaks up  
@ begins  
moving beyond



1208 Another PB -

Immed LCC

Another PB

LCC + Clucks.

+ Clucks

Another PB

1210 "

"

Quiet,

Move towards grassy

Return to original  
tree

1215 f

Boat not at entry  
point - We might  
have a 10-12 km  
walk or



try to ~~not~~ see  
if workers docked  
at another  
point.

1330 Reach site  
of other boat  
altho Tracher  
called, +  
got a response Gant  
1315,

14:30 Returned to  
house for late lunch

Showered, packed,  
talked w/ Claudio  
re: development +  
Sandra's project.

Left Morro at 17<sup>30</sup>  
Left Presidente Prudente  
1920 hrs

in 12 seater.

One stop but didn't  
arrive into Sao Paulo  
until 10 PM. Barely make plane.

Paid \$200 cash  
for 2 Ponte Aerea  
tickets - supposed \$190  
but man gave me \$58 change  
in C3.



am  
0230 hrs

6/28 up at 0845  
Jo G. + D out w/  
Andrea

→ LA site 0930  
↑ morro ↓ hill

1000 still haven't found  
group.

1002 Contact. They  
are in thick  
scrub.

♂A LA3	T <sub>1</sub>	can rad.
♀SA LA6	T <sub>24</sub>	
♂SA LA5	T <sub>4</sub>	radio
♀A JS	—	To



1030 We've taken some  
pictures - Animal  
feeding on large  
green fruits.

LA5 fought w/  
200 @ 19 June  
left group, returned  
2 days ago.

1045 2LC

1050 2LC

Animals are high  
(10-12 m) in tree  
(thick) near open  
area - seem to be  
resting.



11<sup>05</sup> 2 more LLCs  
Animals were  
separated & are  
resting.

11<sup>11</sup> 2LC

SAs are playing

11<sup>20</sup> 2LC

11<sup>30</sup> Continued  
playing / resting  
not moving.

noon

Foraging for insects

12<sup>15</sup> group begins  
moving

12<sup>30</sup> Finished.

→ Silva for calls

→ Boi Bronco to see  
visitor ctr,

→ house to speak  
w/ 2 women from  
Cassara

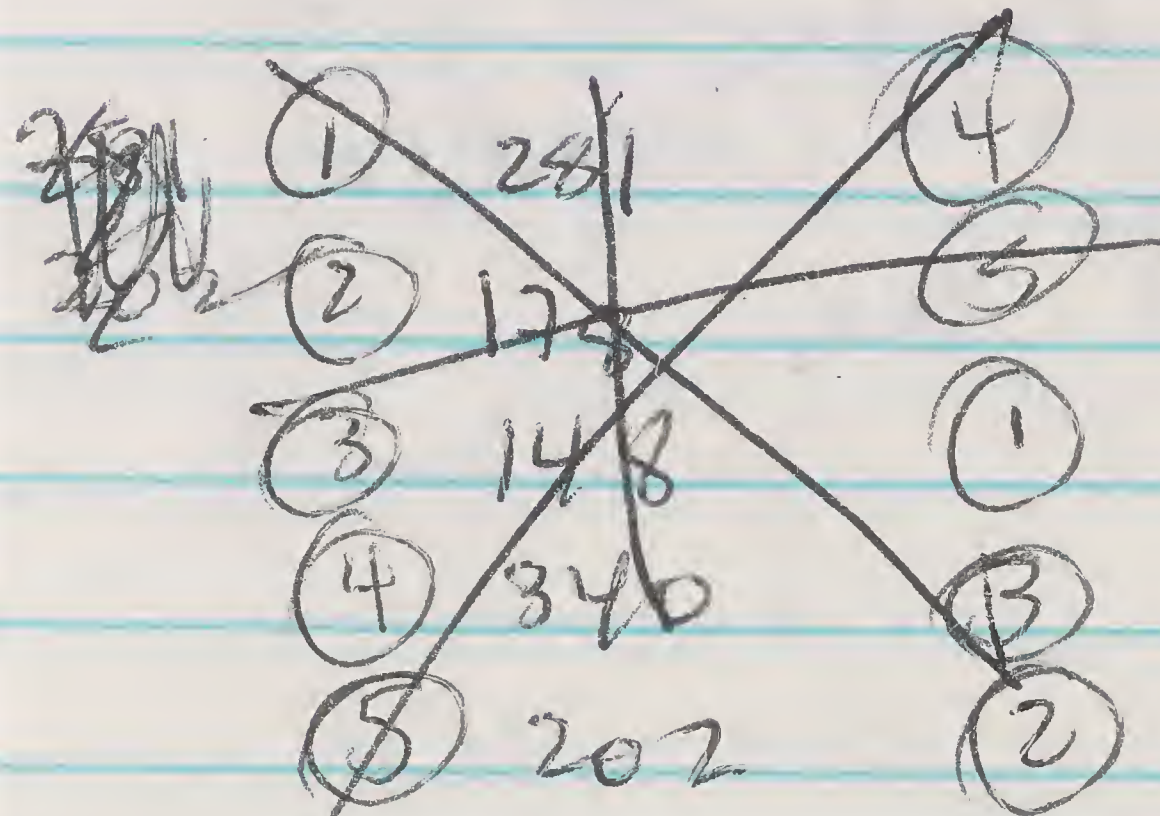
Spoke w/ Dionisio @ Fern<sup>+</sup>  
Spoke w/ Andreia <sup>Elvira</sup>  
@ Fernando -



6/29/90

left side)

- ① 148 AO → T4
- ② 178 AO → T24 radio
- ③ 202 AO (RF) T1
- ④ 281 SA → (2 yrs) T1 34
- ⑤ 340 J → (8 mes) T3



Out w/ Ely, Claire  
+ Lisa to work w/  
Poco Pequeno.



0915 Contact w/  
group -

~~the~~  
Begin LC  
immediately.  
Ely suggests we  
w/ Caealon.  
Right leg.

The 3 ♀ + group  
15 de junho

	A♂	T <sub>1</sub>	
	A♂	T <sub>234</sub>	T <sub>0</sub>
+	A♀	T <sub>4</sub>	rad
	RF	T <sub>13</sub>	
+	AF	T <sub>12</sub>	
+	SA♀	T <sub>34</sub>	
	SA♀	T <sub>0</sub>	
	J♀	T <sub>24</sub>	
	J♀	T <sub>14</sub>	

0935

Most of PP +

T<sub>134</sub> stays + plays

0940 Group basically  
split altho  
some LC



0950 The gyps are still  
close w/ occasional  
LC.

1010 @ 50 m  
between gyps

T<sub>1</sub>, 3, 4 had been  
playing w/  
animal from  
Cacador.

1105 Group T<sub>1</sub> + T<sub>24</sub>  
have been agl  
in sun.

Cacador group



to 30-50 m  
away — in  
vision.

1110 Begin encounter  
clucking —  
Cacador app.

→ 1150 Helping  
Claire + Lisa  
do ~~task~~ focal  
obsrv. of encounter  
behavior.

1155

Annals from Cacador  
nearby — A07 To 634

1230 — 1300 lunch.

Discuss Protocols

1330 — Tzy returns to  
group from other  
group. Has been w/  
other group as long as we  
are with P.P.

1332

Cacador has left

PP begins moving  
back in direction  
from which they came  
~~They been To~~



Play between T3 +  
T1 34.

1400 Group  
moving +  
foraging,  
→ got grasshopper.

1430 Grp moving +  
foraging.

~ 1640 Grp enters  
"oco" right on  
border of pasture  
with mata -  
We are outside.  
The official

Reserve in the neighboring  
fazenda.

We return to Rudolfo  
Abde via the trails.  
It takes about 40'  
agouti on road home.

Return to house.

Decide against going to  
hear debate in Silva  
about ecology.

It's Andreas' B'day, but  
I don't have anything +  
I need to talk with the  
"girls" from Parana  
who study the  
"Caissara".

I explain @ PBs  
Lisa G has lost or



had stolen the  
male + female tapes  
to do studies of  
♂ and ♀ response  
to ♂ + ♀ PB,

Both were mugged  
~~Don't~~ in Rio.

Claire had stolen  
binocs, compasses,

~~the~~ Lisa had stolen  
nets for mosquito netting  
2 large flashlights +  
now has "lost" 2  
important tapes,  
headphones, +  
a box of AA batteries

30 June 90  
— Suzanna missed Andreia's party while  
Out to Reintro <sup>drinking beer w/</sup>  
with Andreia + <sup>Signal</sup>  
2 women from  
Curitiba studying  
L. caissara.

→ LA group  
0930 hrs.  
PB LC ♀ - immediate  
response +  
approach

0949 PB LC ♂  
||||| |||  
several w/ ducks

0950 PB LCC ♂



Continued Clucking

→ in front

0953 - break in  
calling

(3' continuous clucks)

0959 They have  
moved beyond the  
speaker + 2LC

1007 2LC

The animals  
have moved down  
the hill.

→ 1015 PB LCC

Immediate response  
LC but very  
short.

1020 Group appr. vs.

1022 LC

group has passed

vs.

1024 BLC

2LCC

35 LC

1026 2LCC

1028 LC, LCC, LC

1030 LC, LC, LC

1031 The group returns  
in our direction.

1040 2LC

1044 1LC T4



1106 hrs

We moved 70-80 m  
downhill + PB of  
LCC.

No response.

1107 PB LCC again

No response

1110 Moved to @  
60 m distance

PB w/ LCC  
response. hums

Thought they were  
only 30 m away.

+ group

1202-1206 Did 3PB  
of LCC @ 50 m  
below riverbanks  
group. Had audible  
response to PB #2 + #4.

By PB #B, they had  
moved closer to us  
(audible diff.)

1230 Looking for  
Donaha group

---

1239 Did LC PB  
no response immediately.  
(@ 70 m. distance  
behind Bb)

1240 did LCC  
no immed. response



1245 LCC @ 40 m  
from group  
(according to Nelson  
They were eating  
heard The PB + I  
started moving to  
PB site)

1247 PB LCC

1253 2 LCC PB

no response.

1255 +

Back to house :  
lunch, meditation,  
writing notes, shower  
talked w/ Suzanna  
re: Elvira

Lundau 1 July  
9-12 meeting Fernando  
1-3 " re: Elvira  
w/ Denise Anderson Reg.  
Pinto

3-5 Meeting with Ken.  
Denise, Lisa re:  
re distrib' budget.

Monday 2 July

Suzanna office: attempted  
break-in w/ crow-bar

meeting & working w/  
Fernando on annual  
budget



Into subv. @ 13<sup>30</sup>

3 calls to DC  
re: tapes  
Jody re: Elvira

Picked up zigue +  
finally returned to  
Reserve.

Dia de Oco - crowded  
Lisa + Clavie  
doing well

3 July

0615 Arr Oco of  
Arrotes -

0625 Group emerges  
from hole in

Oco @ 12m high  
Tree @ 20m "  
Grp v. quiet.

0635 Group begins  
moving ↑ now  
I can hear SC.



To RF ♀  
T234 A♂  
T24 ♀ red

T2 SA ♀  
T13 J ♀  
T4 J ♀

0640 LC —

many SCs  
0642 moving ↑ hill  
Some SCs.

0646: T24 LC

0658 LR

0659 LC, LR

0700 LC, LC

0702 LC, T4x

0703 LC, LC, LC

(all LCs from  
top of hill)

0704 LC!  
LC



0705 LC

0706 2LC

0710 2LC

0712 2LC

0715 2LC

SC

0717 LC T<sub>2,4</sub>

0725 SC

LC

0728 LC  
many SC

0752 - Group  
moving downhill.

0756 2LC

0759 LC

0813 LC

0815 LC LC

LC +

mp. Nooping.

0825 LC

0831 LC

0835 LC

0841 LC LC

0846 2LCC

0850 3LC

0852 LC, LCC



0849 LC

0850 LC LCC

0855 T<sub>34</sub> HCC, LC

0856 LCC  
LCC LCC

0858 LCC

LC LCC

LC LCC

continued Cl.

0900 LC

HCC, LC

LC, LC  
LC

0906 LCC LCC

T<sub>234</sub> LCC (3cl)

0910 T<sub>234</sub> 4 LCC  
LCC (2cl)

T<sub>234</sub> LCC  
contin. cl.

0913 Continued LCC by  
group  
LCC mainly by  
T<sub>234</sub>.

0915 LC, LC -  
Near another group  
down the hill.

SC SC SC

SC

LC SC SC



0924 1234 cho 124  
(also did before)

Wild group down  
hill calling  
were moved down  
hill.

Group below is  
clucking.

@ 70 m  
between groups

0925 LC SC

LC  
Group calling from  
down hill.

0926 LC . LC

SC SC LC



0928 SC LC LC

other group not  
responding.

LC LC

0930 SC SC SC

SC LCC (4cl)

LCC LC

LCC (7cl)

LC

0931 LCC

LCC (2cl)

LCC (1cl)

LCC

0934

T234 LCC

T234 w/ many cl  
2 more LCC

0938

T<sub>1,3</sub>; T<sub>2</sub> have  
moved into  
encounter

T<sub>234</sub> cont. calling  
To apparently is  
holding back.

T<sub>234</sub> LCC LCC

Continued LCC

0942 T<sub>24</sub> T<sub>234</sub>

To NV

0951 Group down  
moving into



breju towards  
other group for  
encounter.

10<sup>00</sup> hrs.

We stay on road.

Group is non-habit.  
+ Ely doesn't want  
to disturb the  
natural behav.

10<sup>03</sup> —

Some LC in  
distance still  
heard. Resp  
by juvs.

10<sup>05</sup> — 10<sup>20</sup>

Seemed to be  
periodic encounters  
Noise, but some  
feeding.

Dsh uses faulikes

10<sup>20</sup> Group feeding.

10<sup>23</sup> LC T234  
10<sup>26</sup> T234 3LC

10<sup>30</sup> Begin moving  
v. fast + Thrush  
breju tow.  
another encounter



1044 moved  
thru miserable  
undergrowth  
following LC

1046.

T234 been LC  
Continues LC. Seem  
lost.

Ely walks us out  
to path + we  
walk around the  
bit of forest.

End up half way  
up hill - Ely  
pulls out radio

1106 Contact w/  
grp again



11/10 - 11/25

Resting feeding  
no one

11/25 Can hear  
howlers. NW  
of one form  
in brya.

11/29 LC from  
G.F.

11/31 3LC from  
Ari

Quit forever @  
11 40

+ group at noon

Return to house

Spine in calf muscle.

Zigue removes spine

Talk w/ Elvira.

Talk w/ Claire + Lisa

Talked w/ Zigue

Dinner + dishes  
washing



4<sup>th</sup> July

0845 → Fzda União.

RR. Fazenda

has 3,736 ha

@ >50% in 1° + 2°

forest + breja.  
lots of eucalyptus  
planted.

600 ha protected

Ricardo is manager -  
Went to Vicosa w/  
Whitson, Denise,  
+ Fernando, same  
time!



Moving by tractor

0925 PB LC, LC, LCC

no response

---

0935 PB LCC 2X

no response

0936 PB LCC -

0938 +

---

0944 3LCC PB

0945 2LCC

---

0948 NResponse. +

10<sup>04</sup> 3LCC

no response

---

On foot.

10<sup>15</sup> 3LCC

10<sup>20</sup> NR

10<sup>22</sup> 2LCC -

10<sup>25</sup> NR

---

10<sup>32</sup> 3LCC

10<sup>36</sup> NR.

We walked along former  
timber road -

very lovely primary  
forest; ~~in~~ along  
main road lots  
of eucalyptus.

Discussed poss. of using  
eucalypt. for regeneration

Man who took us  
around Ricardo



went to Vicosia w/  
Fernando Denise  
+ Whitson

Had lunch at  
Hotel Fazenda

Went to Boi Branco  
for general  
meeting.

Discussion about  
slow-down/strike,  
letter from us;

Return to house  
@ 4:30 PM.

Music: Carly Simon  
radios - Joan Armat.  
|

Do the Right Thing!

Jamilton radio pgm.

Annoyance w/ Lisa  
Social Director  
Insensitive



5 July

General good byes  
Suzanne car

Pictures of fire  
damage & Suzanne's  
study area

Andre pictures

→ Rio w/ Fern.

Stop in Rio B. - re:  
Suzanne car.

→ FB CN

→ \$ Cambio -  
Del protecting car



Purchase tapes  
→ airport

bump into Jim + LA  
re: stolen monkeys  
B. Marinho +

Herci + Dionisio  
subre 1550.

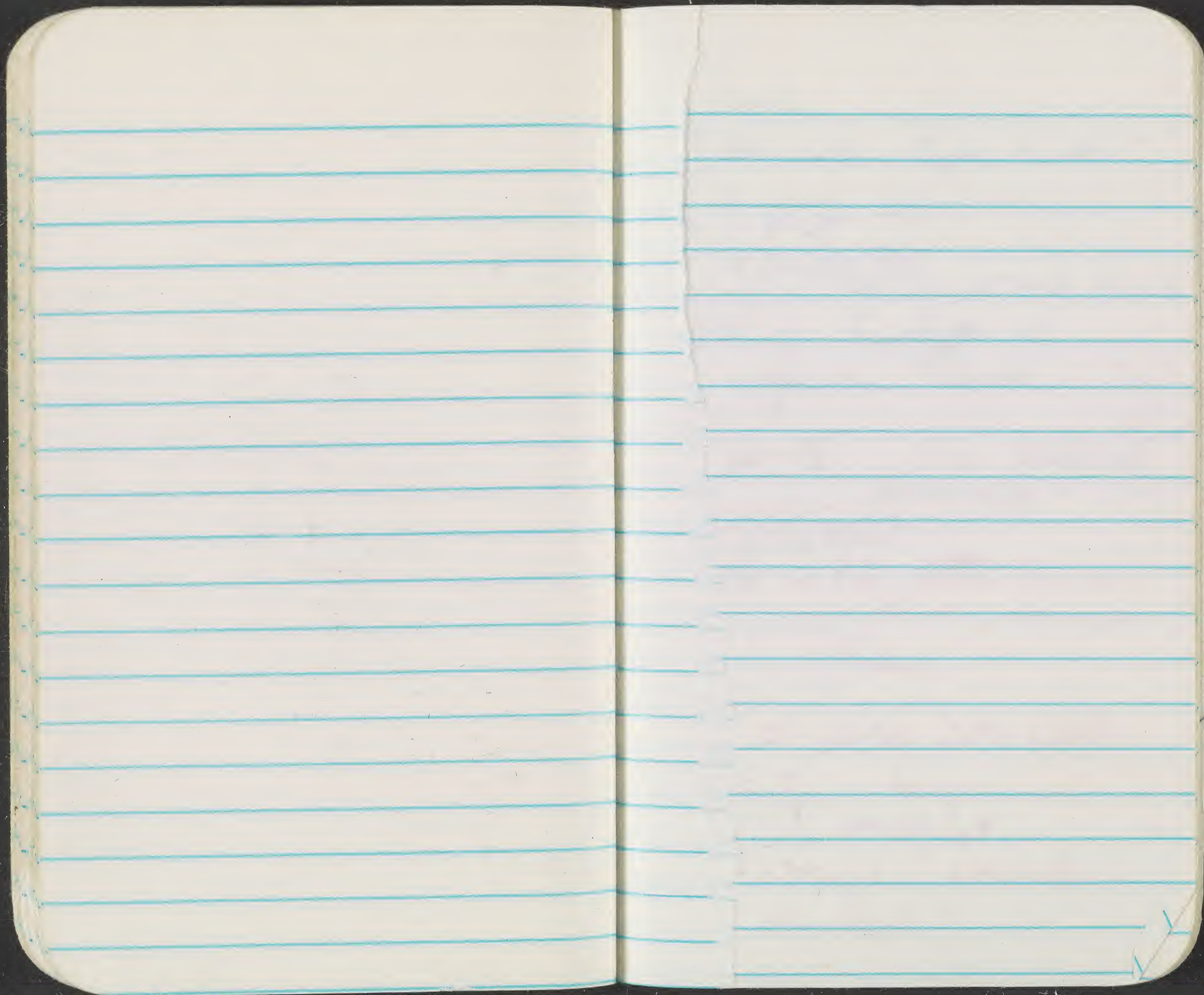


10/10/1914  
10/10/1914

10/10/1914  
10/10/1914

10/10/1914  
10/10/1914







4 July

# 29 - edp 73da União

(#6) ASA 200

4 July 90

# 1-8 Forest at 73da União

# 9-11 Eucalypt w/  
regener. mata

12-15 The project  
personnel

# 5 July 1990

16 - 36 ~~the~~ area  
of fire, house  
train

(7) # ASA 200 Ekta

1-36 Suzanne  
project:

house rooster  
Andre -



④ ASA Koda 200

27 June 90

→ 14 Morro

28 June 90

~ 15 → 36

LA Group  
PdA.

⑤ ASA Ekta 200

28 June 90

#1-10

LA Group  
Remotod.

11-22

Clave Lisa bromeliads  
with Poco Pequeno.

3 July

→ #28

bromeliads in  
flowers

climb + use

③

ASA Ekta<sup>#</sup> 200

1-12 overlooks

12-14 Morro do Diabo

from a distance

15-22 butterflies/ants

27 June

River -

CP house

26-31 BLT w/

Group

→ 36 BLTs



# FILM

(#1)

6/19/90 ASA 64 Kod.

1-14 Metro ~~Miami~~ Zoo

including

chimp gorilla, Kerk's

deh deh; gaur;

Indian rhino

? Arabian oryx

6/25

# 15-36 Morro do Diabo

(#2)

ASA 200 Kod.

# 1-14 Morro. - BLTs

15-22 Tapir.

23-36 Morro -

on the hill overlooking



① the letter <sup>was</sup> written  
by us

② coord. + Fernando  
can make firing  
decisions - <sup>we have</sup> confidence

③ Want to reward <sup>in</sup>  
merit

④ may want to develop  
firm job descriptions  
w/ ~~the~~ ↑ salary  
for good work.

⑤ Situation of \$ not  
under our control

⑥ Grants need to be  
developed 12-18 mos  
in advance

coord. + Fernando  
have authority.  
Obviously they  
will consult with us in DC.

⑦ not a business or gov't  
\$ depend on good work  
- on progress.

⑧ Strike was inappropriate  
Fernando had spoken to  
us @ ↑ salaries as  
early as last year  
Novembro.

⑨

① always happy to  
be here

② Know that the  
situação has  
been bad  
five e o dollar

③ ~~the~~



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